2.6 Future Year Socioeconomic Projections

Household and employment projections were compiled from locally adopted or accepted sources to prepare socioeconomic data for the 2030 and 2050 statewide travel demand model. These sources are detailed below for each of the seven study areas.

2.6.1 Future Year Data Sources

Eastern Framework Study Area

- Southern Navajo/Apache Subregional Transportation Plan, 2007.
- Apache County Comprehensive Plan, 2003.
- Southeast Arizona Regional Transportation Profile, Working Paper #1, Existing and Future Conditions, March 2007.
- Cochise County Comprehensive Plan, Amended 2002.
- Coconino County Comprehensive Plan, 2003.
- Gila County Small Area Transportation Study, 2006.
- Gila County Comprehensive Plan, 2003.
- Graham County SATS, Ongoing.
- Greenlee County Comprehensive Plan, 2003.
- Navajo County Comprehensive Plan, 2004.
- Santa Cruz County Comprehensive Plan, 2004.
- Arizona Subcounty Population Projections, July 1, 2006 to July 1, 2055, by County, Census County Division, Place, and Reservation (DES, 12/01/06).

The ADOT Project Team compiled 2030 population and employment projections from recent SATS and other planning studies in Navajo, Apache, Gila, and Graham counties. The Southeast Regional Transportation Profile was used for Cochise County. Elsewhere, the ADOT study prepared 2030 socioeconomic data using stakeholder input on planned and approved developments, comprehensive plan information, and 2030 DES population projections.

The ADOT Project Team prepared 2050 socioeconomic projections using stakeholder input on planned and approved developments, comprehensive plan future land use information, 2030 population and employment projections, and 2050 DES population projections.

Central Framework Study Area

Future year data sources include:

- Gila County Small Area Transportation Study, 2006.
- Gila County Comprehensive Plan, 2003.
- Pinal County Regionally Significant Routes Travel Demand Model, 2007. Pinal County Comprehensive Plan, Amended 2007.
- Arizona Subcounty Population Projections, July 1, 2006 to July 1, 2055, by County, Census County Division, Place, and Reservation (DES, 12/01/06).

Based on growth rates observed between year 2000 and year 2006, Pinal County projects its population will reach 1.3 million people by 2030. By 2050, Pinal County projects its population will reach 2.2 million, according to the Regionally Significant Routes Travel Demand Model.

The STAZ geography is consistent with Pinal County travel demand model geography. The ADOT Project Team used the Pinal County growth projections, interpolating from the 2.2 million population database, to prepare a 1.3 million population 2030 scenario for the AZTDM. For 2050 the study team used the 2.2 million population database.

In Gila County, the ADOT Project Team compiled the 2030 socioeconomic projections used in the Gila County SATS. The study team prepared 2050 socioeconomic projections using stakeholder input on planned and approved developments, comprehensive plan future land use information, 2030 population and employment projections and 2050 DES population projections.

Western Framework Study Area

Data sources include:

- Laughlin-Bullhead City Subarea Model (2030) population and employment by TAZ.
- La Paz County Comprehensive Plan, 2005.
- Mohave County General Plan, Revised 2005.
- Yuma County 2010 Comprehensive Plan, Updated 2006.
- Kingman Subarea Model (2020) population and employment by TAZ.
- Lake Havasu City Subarea Model (2030) population and employment by TAZ.
- YMPO 2006-2029 Regional Transportation Model future (2029) population and employment by TAZ.
- Arizona Subcounty Population Projections, July 1, 2006 to July 1, 2055, by County, Census County Division, Place, and Reservation (DES, 12/01/06).

For 2030, the ADOT Project Team compiled projections from the YMPO travel demand model and recent SATS. In Kingman, population projections compiled from the year 2020 Kingman Subarea Model were adjusted using stakeholder input on planned and approved developments, general plan information and 2030 DES population projections.

The ADOT Project Team coordinated with YMPO staff to prepare 2050 socioeconomic projections based on planned and approved developments, comprehensive plan future land use information, 2030 population and employment projections, and 2050 DES population projections. In Mohave and La Paz counties, the ADOT Project Team followed a similar process to prepare the 2050 socioeconomic database.

Northern Framework Study Area

The Northern Framework study area includes Yavapai County and portions of Apache, Coconino, and Navajo counties. 2030 data sources include:

- City of Page SATS, 2007.
- Chino Valley SATS, 2006.
- CYMPO Year 2030 Travel Demand Model.
- FMPO Year 2030 Travel Demand Model.
- Apache County Comprehensive Plan, 2003.
- Coconino County Comprehensive Plan, 2003.
- Navajo County Comprehensive Plan, 2004.
- Yavapai County General Plan 2003.
- Arizona Subcounty Population Projections, July 1, 2006 to July 1, 2055, by County, Census County Division, Place, and Reservation (DES, 12/01/06).

The ADOT Project Team compiled population and employment projections from recents SATS and MPO studies. FMPO provided its 2030 population and employment projections. The 2030 CYMPO population and employment projections were also incorporated. For other areas, the study team used stakeholder input, comprehensive and general plan information, and 2030 DES population projections.

For 2050, Yavapai County and CYMPO staff collaborated with the ADOT Project Team to prepare socioeconomic projections using stakeholder input on planned and approved development, comprehensive plan future land use, and historic growth rates. FMPO provided 2050 population and employment projections for the AZTDM for the Flagstaff region.

Outside of Yavapai County and the FMPO region, the ADOT Project Team prepared 2050 socioeconomic projections using stakeholder input on planned and approved developments, comprehensive plan future land use information, 2030 population and employment projections, and 2050 DES population projections.

Maricopa Association of Governments

In Maricopa County, MAG provided its official 2030 population and employment projections. MAG prepared unofficial 2050 socioeconomic projections for use in the Statewide Transportation Planning Framework Study. MAG used the 2050 DES population projection of 7.6 million for Maricopa County to prepare its socioeconomic database

The STAZ geography is consistent with MAG TAZ geography so that the geographic aggregation is a straightforward process. The ADOT Project Team coordinated with MAG to identify the proper relationships between attributes to aggregate the MAG database for use in the AZTDM.

Hidden Valley Framework Study Area

For the Pinal County portion of the Hidden Valley Framework Study Area, the study team used the 2030 1.3 million population scenario and the 2050 2.2 million population scenario data from the Pinal County Regionally Significant Routes Travel Demand Model.

The study team used the official MAG 2030 projections and unofficial 2050 projections for the Maricopa County portion of the Hidden Valley study area.

Pima Association of Governments

In Pima County, PAG provided its official 2030 population and employment estimates. PAG also prepared unofficial 2050 socioeconomic projections for use in the Statewide Transportation Planning Framework Study.

2.6.2 Year 2030 Projections

Table 2-2 shows 2030 population and employment estimates compiled from the many sources detailed in Section 2.6.1. Figure 2-17 shows an overview of estimated population and employment density for years 2005, 2030, and 2050. The AZTDM population projections are for persons living in households only and do not include persons living in group quarters. Figures 2-18 to 2-32 show the estimated year 2005 population density together with projected employment density for years 2030 and 2050 in each county.

Table 2-2 Year 2030 Population and Employment Estimates

County	Population[1]	Employment			
		Industrial	Service	Retail	Total
Apache	103,400	1,200	21,500	2,500	25,200
Cochise	244,700	9,100	56,900	16,800	82,800
Coconino	165,700	11,200	53,300	23,500	88,000
Gila	63,800	4,300	15,700	3,300	23,300
Graham	49,900	2,300	10,600	3,600	16,500
Greenlee	10,400	2,800	1,200	200	4,200
La Paz	26,700	3,900	9,900	10,700	24,500
Maricopa	6,122,600	614,600	1,832,400	931,800	3,378,800
Mohave	323,600	20,200	70,100	43,000	133,300
Navajo	252,400	9,300	48,500	20,700	78,500
Pima	1,514,000	125,700	408,900	171,600	706,200
Pinal	1,228,600	86,900	390,000	123,400	600,300
Santa Cruz	64,700	4,100	12,700	7,000	23,800
Yavapai	615,700	41,400	123,200	50,500	215,100
Yuma	336,700	26,600	64,700	24,900	116,200
Total	**11,122,900**	**963,600**	**3,119,600**	**1,433,500**	**5,516,700**

Source: ADOT Project Team, August 2008.

Notes: 1) Population living in households.

2.6.3 Year 2050 Projections

Table 2-3 shows 2050 population and employment estimates compiled from the many sources detailed in Section 2.6.1. Figure 2-17 shows an overview of estimated population and employment density for years 2005, 2030, and 2050. The AZTDM population projections are for persons living in households only and do not include persons living in group quarters. Figures 2-18 to 2-32 show the estimated year 2005 population density together with projected employment density for years 2030 and 2050 in each county.

Table 2-3 Year 2050 Population and Employment Estimates

County	Population[1]	Employment			
		Industrial	Service	Retail	Total
Apache	132,600	1,700	26,700	3,200	31,600
Cochise	357,600	16,100	106,000	29,300	151,400
Coconino	193,400	12,400	75,500	29,600	117,500
Gila	73,600	5,100	18,800	4,000	27,900
Graham	88,000	4,100	18,100	6,200	28,400
Greenlee	12,000	3,200	1,400	300	4,900
La Paz	32,000	5,500	16,700	17,700	39,900
Maricopa	7,622,600	755,300	2,277,700	1,173,000	4,206,000
Mohave	405,200	26,000	134,800	81,500	242,300
Navajo	288,800	7,000	55,000	28,000	90,000
Pima	1,990,300	132,600	563,700	141,200	837,500
Pinal	2,113,000	151,500	681,100	212,100	1,044,700
Santa Cruz	83,300	6,100	17,100	11,700	34,900
Yavapai	1,065,100	72,200	193,200	73,900	339,300
Yuma	397,900	37,600	109,400	39,900	186,900
Total	**14,855,400**	**1,236,400**	**4,295,200**	**1,851,600**	**7,383,200**

Source: ADOT Project Team, August 2008.

Notes: 1) Population living in households.

2.7 Population Growth Projection Comparison

The ADOT Project Team methodology relied on locally adopted or accepted household and employment projections to develop the database needed for the Statewide Transportation Planning Framework. This approach resulted in statewide 2030 and 2050 population projections that are higher than the DES growth forecasts. Table 2-4 shows the differences between the DES projections and the projections compiled from local studies by the ADOT Project Team. The AZTDM population projections are for persons living in households only and do not include persons living in group quarters. The DES growth projections include all of Arizona's anticipated population including those living in both households and group quarters.